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(54) Title: STABILIZATION OF ENZYMES



Lipase spheres obtained according to Example 2.

(57) Abstract: A process for producing enzyme structures includes providing an emulsion of droplets of a first liquid phase dispersed in a second liquid phase. The one liquid phase is a hydrophilic phase, while the other liquid phase is a hydrophobic phase which is immiscible with the hydrophilic phase. Enzyme molecules are located at or within interfacial boundaries of the droplets and the second liquid phase. The enzyme molecules of the respective droplets are cross-linked so that individual enzyme structures, which are stable and in which the enzymes are immobilized with a majority of active sites of the enzymes being orientated either internally or externally, are formed from individual droplets.

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